

20000120.ba v02_n784.bam.20000120

>From ???@??? Thu Jan 20 19:50:13 2000 -0600
Date: Thu, 20 Jan 2000 19:47:57 CST
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2784
Message-Id: <20000121015044.AAAAD274C4@devel143.theporch.com>

BOATANCHORS Digest 2784

Topics covered in this issue include:

- 1) Re: TCS in CIC
by "Ed Zeranski" <ezeran@concentric.net>
- 2) Re: TCS in CIC
by "Ed Zeranski" <ezeran@concentric.net>
- 3) MRCG
by William Donzelli <aw288@osfn.org>
- 4) Re: TCS in CIC
by John Kolb <jlkolb@cts.com>
- 5) Re: MRCG
by "Ed Zeranski" <ezeran@concentric.net>
- 6) Re: TCS in CIC
by "Ed Zeranski" <ezeran@concentric.net>
- 7) more TCS
by "Paul Bernhard Sr." <w2tu@email.msn.com>
- 8) TCS-13 by Hamilton?
by polepeeg@aaa4rm.ba-watch.org (Marty's Refl. Drop)
- 9) Re: TCS in CIC
by "Tom Clarke" <fclarke@erols.com>
- 10) TCS-15
by W7QHO@aol.com
- 11) MRCG 2000
by W7QHO@aol.com
- 12) PART NEEDED- Please Check Junk Box
by David Stinson <arc5@ix.netcom.com>
- 13) Re: Help with an RAO-2
by "Lawrence R. Ware" <lrware@pipeline.com>
- 14) WTB Manual: TS-323/U Frequency Meter
by Roy Morgan <roy.morgan@nist.gov>
- 15) WTB Manuals: GR 716 and GR 667 bridges
by Roy Morgan <roy.morgan@nist.gov>
- 16) Capacitor Test Question Please
by "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
- 17) Re: Capacitor Test Question Please
by "Ben Hall" <kd5byb@wt.net>
- 18) Re: Capacitor Test Question Please

- by "Garey Barrell" <k4oah@mindspring.com>
- 19) Eddystone Site
by Merz Donald S <merz.ds@mellon.com>
 - 20) Re: Capacitor Test Question Please
by Morris Odell <morriso@vifp.monash.edu.au>
 - 21) Johnson mystery box
by brian.harris_2@philips.com
 - 22) EK-07 in Electric Radio
by Heinz und Hannelore Breuer <hbreuer@debitel.net>
 - 23) Scott RCH receiver
by Ron Hershey <rhershey1@uswest.net>
 - 24) RE: Scott RCH receiver
by "WF2U" <mbendror@villagenet.com>

Message-ID: <003101bf6232\$126ec780\$4120fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TCS in CIC
Date: Tue, 18 Jan 2000 20:02:56 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: FRANKK6NL@aol.com <FRANKK6NL@aol.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, January 18, 2000 7:53 AM
Subject: TCS in CIC

>In the days before VHF when aircraft communications used were around 6 mhz
we
>used the TCS in the Combat Information Center of escort carriers for that
>purpose. This use has not been mentioned previously. As I recall it was a
>single unit combining Tx and Rx. Frank

Thanks for the above, had not heard of that. My use was with small
boats, tugs, and ship-ship in the early-mid '60s. Not bad for a '30s Collins
design, good goin' Art!! The sets here are about a 50/50 split with Collins
and Hamilton. Do you remember if the TX-RX were stacked or side by side? Am
planning to donate a set to some PT Boat folks who sent me pics of side by
side in a new ELCO PT but every TCS I ever worked on in the Nav was
stacked...probably for lack of space. Thanks for any info!

Message-ID: <004801bf6232\$987ed900\$4120fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: TCS in CIC
Date: Tue, 18 Jan 2000 20:06:41 -0800
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>The TCS is not a single unit. It comprises of a separate receiver,
transmitter
>and a power supply and optionally an antenna tuner and a speaker/remote
control.
>However, the receiver and transmitter can be mounted on top of each other
in
>which case the set may resemble a single unit...
>
>73, Meir WF2U

The stacked set up was what I thought too but you never know, could have
been tight side by side. The sets can be found but the stacking front
brackets etc. are harder to find.

Date: Tue, 18 Jan 2000 23:47:56 -0500 (EST)
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: MRCG
Message-ID: <Pine.SUN.3.91-FP.1000118234547.1524A-1000000@osfn.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Whats the deal with the Military Radio Collector's Group? Will there be a
2000 meet in San <mumble,mumble>? Any plans for an East coast version?

William Donzelli
aw288@osfn.org

Date: Tue, 18 Jan 2000 20:55:50 -0800 (PST)
From: John Kolb <jlkolb@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TCS in CIC
Message-ID: <Pine.BSI.4.20.0001182051310.29637-1000000@king.cts.com>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 18 Jan 2000, Ed Zeranski wrote:

> From: FRANKK6NL@aol.com <FRANKK6NL@aol.com>
>
> >In the days before VHF when aircraft communications used were around 6 mhz
> we
> >used the TCS in the Combat Information Center of escort carriers for that
>
> Thanks for the above, had not heard of that. My use was with small
> boats, tugs, and ship-ship in the early-mid '60s. Not bad for a '30s Collins
> design, good goin' Art!! The sets here are about a 50/50 split with Collins

We had one back about '63 on the USS Providence, the COMSEVENTH
flagship. This was located in one of the aux radio spaces in case
radio central or the transmitter room were destroyed. A different
aux radio space had a WRT-1 for 500 KCS use. Otherwise, being the C7F
flagship, the 3rd or 4th most important command in the Navy, the
rest of the gear was modern, top quality.

John

Message-ID: <008e01bf623b\$0540f980\$4120fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: MRCG
Date: Tue, 18 Jan 2000 21:06:59 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: William Donzelli <aw288@osfn.org>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, January 18, 2000 8:48 PM
Subject: MRCG

>Whats the deal with the Military Radio Collector's Group? Will there be a
>2000 meet in San <mumble,mumble>? Any plans for an East coast version?
>

>William Donzelli
>aw288@osfn.org
>

We will get together on the first weekend in May up in SLO. The organisation is someplace to the left of loose with no dues, rules or anything else like that, just a minor day use fee for the Camp San Luis Obispo NCO Club. Its just Mil radio interested folks who meet once a year to swap parts, have a BBQ, do presentations on Mil Radios or History, and generally play radios. The original meet was started by (and you know the usual list of suspects) Ray Mote, Dave Stinson, and Hank Brown in 1996 when we met in an SLO motel then the following year moved to Camp SLO. It gets better every year, but I missed last may due to work stuff. There is a neat turn out of BoatAnchor faces from the Western US so am working REAL hard at having late April-early May for playing radios. I guess if folks want to do the same in other places, and they may well be, they have to follow Ray's lead and just do it. Hank Brown is the spark plug so when word from Hank shows up will pass it along.

Message-ID: <009901bf623c\$b36713e0\$4120fea9@g5p3m4>
From: "Ed Zeranski" <ezeran@concentric.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Old Tube Radios" <boatanchors@theporch.com>
Subject: Re: TCS in CIC
Date: Tue, 18 Jan 2000 21:19:01 -0800
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>We had one back about '63 on the USS Providence, the COMSEVENTH
>flagship. This was located in one of the aux radio spaces in case
>radio central or the transmitter room were destroyed. A different
>aux radio space had a WRT-1 for 500 KCS use
>John
>
John,

Adams class DDGs had a similar set up in aux radio, WRT-1, TCS, drone controller for DASH madness, some RX I can't remember and a shredder. The TCS did great on harbor common(2716?), tug freqs etc but eventually got replaced by a WRC-1 SSB rig which was a Gen'l Dynamics 1051 RX, a TX that was its opposite, and an amp with ant tuner. Sad thing was the radiomen would try to talk with the 'longside tug with 100w SSB blasting their RX into submission so only having comms with folks 600 miles away as in San Diego to Hunters Point in SF. TCS is a class act.

Message-ID: <003601bf6287\$627b0680\$250c0a3f@default>

From: "Paul Bernhard Sr." <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: more TCS
Date: Wed, 19 Jan 2000 09:13:32 -0500

Not being a Navy radio person but involved with the radio room on the USS THE SULLIVANS here at the Buffalo Naval Park I have followed the TCS thread with interest.

The Emergency Radio Room on the ship has a TCS radio unstalled. The rcvr and xmtr are stacked on one wall with the ant tuner above. The PS is on the side wall. I have put power to it but have not had any results. All the meters have been stripped but tubes light up and at least the fuse doesn't blow!

This rig was aided by an ART-15, RBA & RBB receivers and the usual RED UHF job. I have been hoping to open this area next season to public viewing. It is very cramped but interesting. I pipe the audio from Radio Central down to make it sound like a working radio room.

Visit my website and go to the em radio page for some pictures.

<http://www.geocities.com/~dd537>

Paul B. W2TU

Date: Wed, 19 Jan 2000 10:37:30 -0500
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200001191537.KAA14740@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: TCS-13 by Hamilton?

Who's he?

I've got a running complete example here which has a post-WW2 Merz 110V ps and an original 12V dual-dyno supply (whata a pair of zizzers those things are!)

Anyway I've always wondered if Hamilton was the mixer or the watch company. Further I'd like to get a xerox of the TX ID plate someday - mine's absent.

Last I perused the Collins '44 TCS-7, 9, 10, 11, & 12 Navships 900, 291-1B manual.

Sorry, not a single installation pic.

But with 12VDC, 24VDC, 110VAC rectifier supply, & a 250V AC motor-generator

pack too - it's evident these were intended for use everywhere.

Message-ID: <009001bf629d\$c268d160\$f754e58c@nawcad.navy.mil>
From: "Tom Clarke" <fclarke@erols.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: TCS in CIC
Date: Wed, 19 Jan 2000 11:53:49 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I was serving on board a coastal minesweeper (USS Limpkin MSC-195) in the early 60s and we had a TCS combo in the electronics shop as a backup radio. It could be patched to the bridge or CIC. The main rig was an SRR-11 and SRT -14 (maybe 15 or 16). After a shipyard overhaul we received two sets of R-1051 plus matching transmitter/amp/coupler combos for HF and a R-390A for general purpose listening. TED/RED were the UHF boxes. It was neat seeing a NIB R-390A being installed in the radio shack/CIC!

The ET and I used the old TCS rig for casual hamming occasionally! I think the R-1051/Tx combo was called WSC-1 maybe?? It worked OK on ham bands, but was a pain to casually tune across the bands!

73 de Tom/W40KW
----- Original Message -----
From: <FRANKK6NL@aol.com>
To: "Old Tube Radios" <boatanchors@theporch.com>
Sent: Tuesday, January 18, 2000 10:52 AM
Subject: TCS in CIC

> In the days before VHF when aircraft communications used were around 6 mhz
we
> used the TCS in the Combat Information Center of escort carriers for
that
> purpose. This use has not been mentioned previously. As I recall it was
a
> single unit combining Tx and Rx. Frank
>

From: W7QH0@aol.com
Message-ID: <64.c7448.25b766da@aol.com>
Date: Wed, 19 Jan 2000 14:13:30 EST
Subject: TCS-15
To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

All,

I heard somewhere that all TCS-15s (trans. and rec.) were depot refurbished earlier units. Can anyone verify/refute this?

Dennis D. W7QHO
Glendale, CA

From: W7QHO@aol.com
Message-ID: <44.10d4a67.25b77699@aol.com>
Date: Wed, 19 Jan 2000 15:20:41 EST
Subject: MRCG 2000
To: Old Tube Radios <boatanchors@theporch.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Military Radio Collectors Group 2000 Meeting

The fifth annual meeting of the Military Radio Collectors Group (MRCG) will be held at Camp San Luis Obispo (CA) on Friday and Saturday, 5/6 May 2000.

Friday will be devoted to equipment setup, operating events and informal get-togethers at the NCO club and the adjacent RV area. Those wishing to set up and operate at the event may do so under their own calls. Suggested frequencies are 3885, 3970 and 7293 kHz for AM, 3996 and 7296 kHz for USB and 29.6 and 51.0 MHz for FM.

The swap meet starts Saturday at sunup in the parking area adjacent to the NCO club, and the formal program will begin at 0900. Speakers this year will address WW-2 Japanese and German equipment, pre WW-2 government radio intercept activities, and the newer generation of military radios now becoming available through surplus channels.

A BBQ lunch will be served at midday Saturday (as in previous years).

Throughout the meet numerous examples of vintage equipment will be in operation and on display.

For additional information contact Dennis DuVall, W7QH0,
(818)240-7907, w7qho@aol.com, or Hank Brown, W6DJX, (661)943-2027.
As the meeting date approaches, look for additional announcements
of general interest.

Message-ID: <388633EF.CFC14753@ix.netcom.com>
Date: Wed, 19 Jan 2000 16:00:15 -0600
From: David Stinson <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: PART NEEDED- Please Check Junk Box
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Please take a look at this photo:

<http://www.arc5.com/new2/arr7p.jpg>

If you have this tuning cover that came from
a military surplus ARR-7 receiver, please
let me know. Will gladly pay or trade for a good one.
Also need the parts and motor that were insided it,
but the cover would be great.

TNX ES 73 DE Dave AB5S

Message-Id: <3.0.32.20000119212249.006b77f0@pop.pipeline.com>
Date: Wed, 19 Jan 2000 21:23:08 +0000
To: Old Tube Radios <boatanchors@theporch.com>
From: "Lawrence R. Ware" <lrware@pipeline.com>
Subject: Re: Help with an RAO-2
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 18:43 1/18/00 -0800, Arden Allen <gumbear@pacbell.net> wrote:
>What did you use for a winding jig
>and turns counter?
A vised variable speed drill running very slow and myself.

>Did you use a "spool" to keep the layers from spilling
Some cardboard cut to size and taped together.
Q-dope held it together until I could get the iron back around it.
Warned you it was tedious. :-)

A lot less work to:
Order generic replacement from AES.
Make mounting plate for above so no new holes had to be drilled.
Install same in radio.

I made several pages of notes as the old one came apart.
Amazing how easy it is to forget exactly how it was put together
without them when weeks separate tear down and reassembly...

With the old National vented cover painted and put back on,
it looks correct. If you don't have the cover, it looks reworked.

Larry Ware
lrware@pipeline.com -or-
larry@waywardhome.com

Message-Id: <4.2.0.58.20000120101336.009d9830@sdct-sunsrv1.ncsl.nist.gov>
Date: Thu, 20 Jan 2000 10:17:21 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>
Subject: WTB Manual: TS-323/U Frequency Meter
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anchorites,

Wanted: manual for TS-323/UR frequency meter.
It is the VHF version of the BC-221, covers from 20 to 480 mc.
Prefer original manual, copy ok.
Can trade other manual or send \$, have manuals for the LM and BC-221 to copy.

Thanks much,

Roy

-

Roy Morgan
Keep em glowing! K1LK Y since 1959
7130 Panorama Drive, Derwood MD 20855
301-330-8828

Message-Id: <4.2.0.58.20000120101728.00b15e30@sdct-sunsrv1.ncsl.nist.gov>
Date: Thu, 20 Jan 2000 10:20:52 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: Roy Morgan <roy.morgan@nist.gov>

Subject: WTB Manuals: GR 716 and GR 667 bridges
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anchorites,

Wanted: manual for General Radio Bridges:

GR - 716 AM Capacitance Bridge
GR - 667 A Inductance Bridge

Originals would be nice, but copies are fine.
Will trade other manual or send \$
Thanks
Roy

-

Roy Morgan
Keep em glowing! K1LKY since 1959
7130 Panorama Drive, Derwood MD 20855
301-330-8828

Message-ID: <21B46CBD022AD1118F0500805F15A06801866AB4@stpmsx05.stp.guidant.com>
From: "Freeberg, Scott (STP)" <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Capacitor Test Question Please
Date: Thu, 20 Jan 2000 09:21:07 -0600
MIME-Version: 1.0
Content-Type: text/plain

Hi All,

I have a couple of capacitor questions. I was given a Heath IM-11 cap tester and tried it out on a project last night for the first time and would like to confirm a few things. No I don't have a manual and have never used a cap tester before.

I notice that with no cap connected, the "green eye" is "open" about 30 - 40 degrees. With a good electrolytic cap on it, as I increase the voltage, the green eye is initially closed, and then opens as the cap charges up to that voltage. Makes sense. When I connected some suspected leaky caps that I just replaced, the green eye opened as I stepped up to 400 volts, and then stayed closed at 450. So the tester is telling me that the one cap is ok at 400 v but leaky at 450 volts. Ok. Do you have any kind of feel for amount of leakage based on the "green eye" aperture?

How leaky is leaky for an electrolytic? I wasn't able to put an ammeter in

series to measure the leakage current so I really don't know what the absolute leakage was. I recall hearing that for old good electrolytics, 1 to 2 ma was normal. What about other caps like ceramic disc or paper, or black beauties.

Thanks,

73, Scott WA9WFA in Saint Paul Minn
<http://www.qsl.net/wa9wfa>

From: "Ben Hall" <kd5byb@wt.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 20 Jan 2000 10:31:23 +0600
Subject: Re: Capacitor Test Question Please
Message-id: <3887385b.10bf5.0@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>400 v but leaky at 450 volts. Ok. Do you have any kind of feel for amount

>of leakage based on the "green eye" aperture?

On my Heath C-3, which I beleive is similar to your Heath cap checker, obviously the more close the eye is, the leakier it is. However, I think there is a limit to its sensitivity - so, unless that eye clicks just as open as it did with no cap connected, I consider a black ugly (forget the name Black Beauty, they are not that!) or disc or mica a gonner. The exception is electrolytics.

>How leaky is leaky for an electrolytic?

If you check the manufacturer pages of modern units, they give limits to the leakage. On older units, you can look at it different ways: Personally, if that electrolytic doesn't cause the eye to open almost as much as with no cap connected, I sometimes like to switch them out. I'm conservative sometimes like that. But, sometimes doing so detroys the character of the rig. I'd hate to remove the big met-can caps from several my National sets, it would make them, in my eyes, ugly. (of course, my National RCP is already ugly, but that is a topic for another day) However, on another hand, it can depend on the application. If the unit is a power supply filter cap, you can look at how much the transformer/retifier are rated at. If the supply is a 200 ma supply feeding a load that may not exceed 150 ma, you can live with an ma of leakage in the electrolytic as long as it doesn't get warm. That is another test - if the cap stays cool and the power supply isn't stressed, it may be okay. Lots of radios have marginal power supplies, and every extra ma makes a hard to replace component hotter.

I took the marginally leaky electrolytics out of my RME-45 just for this purpose.

I think it is up to personal judgement when you switch them out.

>I wasn't able to put an ammeter in
>series to measure the leakage current so I really

I need to do this someday - would be neat to have a couple of people do this with different testers so we could compare. I'll do my old C-3 this weekend. Anyone want to do this to some of the Sprague testers?

thanks and 73,

ben

Benjamin D. Hall, KD5BYB

e-mail: KD5BYB@WT.NET

Message-ID: <001001bf6364\$c2783340\$266756d1@com>

From: "Garey Barrell" <k4oah@mindspring.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Capacitor Test Question Please

Date: Thu, 20 Jan 2000 11:38:18 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Scott -

I don't have the IM-11 (a VTVM?,) but I do have an IT-28 Capacitor Checker. You probably have either a C-3 or an IT-28.

Anyway, the IT-28 is calibrated as follows:

To close the eye....

Electrolytic Capacitors - 2 mA

Mini Electrolytics - 15 microamperes

Paper, Mica etc. - 2 microamperes

For electrolytics that close the eye at 2 mA there is a formula that states acceptable leakage:

$I = K \times C + 0.3$ where C = capacitance in uFd and K is as follows:

3 to 100 volt rating K= 0.01

101 to 250 K = 0.02

251 to 350 K = 0.025
351 to 450 K = 0.04

This is all from 1968, and I think that electrolytics today are lower leakage.

73, Garey - K40AH
Atlanta

----- Original Message -----

From: Freeberg, Scott (STP) <scott.freeberg@guidant.com>
To: Old Tube Radios <boatanchors@theporch.com>
Sent: Thursday, January 20, 2000 10:21 AM
Subject: Capacitor Test Question Please

> Hi All,
>
> I have a couple of capacitor questions. I was given a Heath IM-11
cap
> tester and tried it out on a project last night for the first time
and would
> like to confirm a few things. No I don't have a manual and have
never used
> a cap tester before.

Message-ID: <20000120173123.18340.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Eddystone Site
Date: Thu, 20 Jan 2000 12:27:39 -0500
MIME-Version: 1.0
Content-Type: text/plain

Maybe this is old news, but there's quite a nice Eddystone site at

<http://www.qsl.net/eddystone/>

73, Don

Message-ID: <38879D2F.E33A2007@vifp.monash.edu.au>
Date: Fri, 21 Jan 2000 10:41:35 +1100
From: Morris Odell <morriso@vifp.monash.edu.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Capacitor Test Question Please

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Anchorites,

"Freeberg, Scott (STP)" wrote:

> When I connected some suspected leaky caps that I
> just replaced, the green eye opened as I stepped up to 400 volts, and then
> stayed closed at 450. So the tester is telling me that the one cap is ok at
> 400 v but leaky at 450 volts. Ok. Do you have any kind of feel for amount
> of leakage based on the "green eye" aperture?

When caps become leaky they are in a fault condition and anything goes. Just because we might think of them as having a shunt resistance when they leak doesn't mean that they are going to behave as if a perfect resistor is connected across them. Leakage can be non-linear and Ohm's law doesn't necessarily apply. They could measure as an open circuit on even a high reading ohmmeter but still malfunction under actual circuit conditions.

Ben Hall made a good point to the effect that what is acceptable leakage can depend on circuit conditions. We usually accept higher leakage in an electrolytic than in a ceramic or paper cap but sometimes it's not so easy. I recently spent some time tracing a fault in an oscilloscope HV circuit that was due to leakage in a cap which meggered at 200 megs but was in a very high impedance circuit controlling the feedback to a voltage regulator. The same cap would have been perfectly fine as a bypass or HV filter. I haven't checked it on the eye type cap checker but I suspect it wouldn't test too badly at all.

73 de Morris VK3DOC

From: brian.harris_2@philips.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Johnson mystery box
Message-ID: <00569100033328590000002L192*@MHS>
Date: Thu, 20 Jan 2000 17:47:50 -0600
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; name="MEMO 01/20/00 17:50:28"
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

I am looking for information concerning a Johnson Antenna Matching Network 250-809. I bought one recently without knowing what it was. Unfortunately, the unit has been gutted and is now basically an empty box.

I suspect there were one or two adjustable L's or C's originally as there is a mounting hole and what appear to be two holes for adjustment. =

The unit is 2.5" x 1.5" x 1" and is painted dark gray. It has an old style car type female antenna connector and a spring clip on one end of the case. Now the antenna connector has a wire going directly to this spring clip, which is insulated from the box. There is small protruding pin that looks like it might fit into a female connector of some sort. Stamped near this pin are the letters, 'HD'.

>From the antenna connector, it smells of 'mobile', perhaps destined to sit between a car radio antenna and a sw converter or the like.

Anybody have one of these? Information on what they did? What might be missing?

Thanks,

Brian Harris WA5UEK

=

Message-ID: <38879ED7.547E@debitel.net>
Date: Fri, 21 Jan 2000 00:48:54 +0100
From: Heinz und Hannelore Breuer <hbreuer@debitel.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: EK-07 in Electric Radio
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi,

I received my January copy of Electric Radio today. It has a nice review of the Rohde & Schwarz EK-07 receiver by Alex Samson KE6VKJ. I guess the EK-07 is quite rare in the US.

If anybody is interested in obtaining an EK-07 please contact me. I know 3 German surplus dealers who have the EK-07 on stock. Prices start at about \$250 for "as is" condition.

I finally found a German Repair manual (Reparaturhandbuch) on the EK-07. I can supply copies.

73

Heinz KM5VT

Message-ID: <3887B440.80ECF440@uswest.net>
Date: Thu, 20 Jan 2000 17:20:00 -0800

From: Ron Hershey <rhershey1@uswest.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Scott RCH receiver
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I just started delving into a US Navy RCH receiver made by E H Scott. I'm really curious as to the use of the phone control switch. It allows you to listen to the audio output of the RCH, the output of a second receiver, or the mixed output of both receivers. What would be the purpose of this setup and how would it have been used in actual practice?

Thanks,
Ron Hershey

From: "WF2U" <mbendror@villagenet.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Scott RCH receiver
Date: Thu, 20 Jan 2000 20:35:32 -0500
Message-ID: <004201bf63af\$ce848080\$0291c0c0@meir-s_nt4.villagenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I own a Scott SLR-M myself which is quite similar..

The purpose of the phone control switch is exactly that: it'd allow "Sparks" to hook up the old record player to the receiver audio amp (nice, high power push-pull) and pipe some music into the ship's PA system. Radio officers in merchant ships (and the RCH was used in many Liberty ships, crewed by civilians) were also responsible for the morale and entertainment of the crew - they ruled the PA system, the record player and the movie projector...

73, Meir WF2U

-----Original Message-----

From: owner-boatanchors@theporch.com [mailto:owner-boatanchors@theporch.com]
On Behalf Of Ron Hershey
Sent: Thursday, January 20, 2000 8:20 PM
To: Old Tube Radios
Subject: Scott RCH receiver

I just started delving into a US Navy RCH receiver made by E H Scott. I'm really curious as to the use of the phone control switch. It allows you to listen to the audio output of the RCH, the output of a second receiver, or the mixed output of both receivers. What would be the purpose of this setup and how would it have been used in actual practice?

Thanks,
Ron Hershey

End of BOATANCHORS Digest 2784
